

GreenPower

News

An update from Western's Renewable Resources Program covering green power, reports and studies and funding.



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September 19, 2014

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Green Power

Streamlining Off-site Corporate Renewables Transactions

Webinar

Tuesday, Sept. 30, 2014

11:00 am-12:00 pm (MDT)

On Tuesday, Sept. 30, 2014, from 11:00 am—12:00 pm (MDT), the U.S. Environmental Protection Agency's Green Power Partnership (GPP) will host a webinar entitled "Streamlining Off-site Corporate Renewables Transactions." [Read more](#). Source: EPA Green Power Partnership, 9/18/14

Download newsletter for GeoExchange industry

The latest [GEO Industry News](#) (pdf) is now available from the Geothermal Exchange Organization.

The Geothermal Exchange Organization (GEO) is a non-profit trade association that promotes the manufacture, design and installation of GeoExchange systems—the most energy-efficient and environmentally friendly heating and cooling technology in the world.

[Membership](#) is open manufacturers, contractors, utilities and allied organizations. Source: Geothermal Exchange Organization, 9/16/14

DOE State and Local Solution Center promotes clean energy

The State and Local Solution Center and Technical Assistance Program (TAP) provide resources, events and assistance to state, local, tribal, and K-12 school district leaders working to unlock a clean energy economy. [Read more](#). Source: DOE Office of Energy Efficiency and Renewable Energy, 9/8/14

Big power out, solar in: UBS urges investors to join renewables revolution

World's largest private bank predicts large-scale power stations will soon make way for electric cars and new solar technologies

Big power stations in Europe could be redundant within 10-20 years as electric cars, cheaper batteries and new solar technologies transform the way electricity is generated, stored and distributed, say analysts at the world's largest private bank.

In a briefing paper sent to clients and investors this week, the Zurich-based UBS bank argues that large-scale, centralised power stations will soon become extinct because they are too big and inflexible, and are "not relevant" for future electricity generation. Instead, the authors expect it to be cheaper and more efficient for households and businesses to generate their own energy to power their cars and to store any surplus energy in their own buildings even without subsidies. [Read more](#). Source: *The Guardian*, 8/27/14

Verizon to Install 10.2 MW of New Solar in 2014

Verizon announced plans to invest nearly \$40 million in expanding its on-site green energy program that was launched in 2013. Verizon is partnering with SunPower Corp., designer and manufacturer of solar panels and systems, to design and install in total 10.2 megawatt (MW) solar systems. The solar systems comprise a high-efficiency rooftop, parking-structure, and ground-mounted solar photovoltaic systems. The solar power systems will be installed at eight Verizon network facilities located in five states including California, Maryland, Massachusetts, New Jersey and New York. To date, Verizon has invested nearly \$140 million in on-site renewable energy. [Read more](#). Source: DOE Office of Energy Efficiency and Renewable Energy, 8/25/14

Visit U.S. DOE EERE [Green Power Network](#) for more information.

Reports, studies and policy

New Studies Find Significant Declines in Price of Rooftop and Utility-Scale Solar; Onerous Local Regulatory Processes Can Impact System Prices

The price of solar energy in the United States continues to fall substantially, according to the latest editions of two annual reports produced by the Department of Energy's Lawrence Berkeley National Laboratory (Berkeley Lab).

A third Berkeley Lab report, written in collaboration with researchers at Yale University, the University of Texas at Austin and the U.S. Department of Energy (DOE), shows that local permitting and other regulatory procedures can significantly impact residential photovoltaic (PV) prices. [Read more](#). Source: Lawrence Berkeley National Laboratory, 9/17/14

New Solar Homes Partnership Guidebook, Eighth edition, now available

As part of the Aug. 27, 2014, business meeting, the California Energy Commission adopted the [New Solar Homes Partnership Guidebook, Eighth Edition](#) (NSHP Guidebook).

The NSHP Guidebook describes the requirements for participating in NSHP and receiving incentives for installing eligible solar energy systems on new residential construction located in specified investor-owned utility territories. The effective date of the NSHP Guidebook, Eighth Edition is Sept. 1, 2014.

A print copy is available for \$5.00. Please send request and check or money order made out to the California Energy Commission to:

California Energy Commission
Re: New Solar Homes Partnership Guidebook, Eighth Edition
Publication No. CEC-300-2014-001-ED8-CMF
Publications, MS-5
1516 Ninth Street
Sacramento, CA 95814-5504

Please call Publications Unit at 916-654-5200 with any questions. News media should direct inquiries to the [Media and Public Communications Office](#) at 916-654-4989.

If you have questions about this document, please contact [Le-Quyen Nguyen](#) at 916-654-4650.
Source: California Energy Commission, 9/17/14

The Economic and Reliability Benefits of CSP with Thermal Energy Storage: Literature Review and Research Needs, 2014

First published in 2012, this revised and expanded technical report incorporates the latest research on the economic and reliability benefits of CSP with thermal energy storage and serves as a comprehensive guide to understanding the design and operational attributes of CSP plants with thermal energy storage. [Read more](#). *Source: Bright Source Energy, 9/16/14*

Annual report shows 2013 a good year for EESI

The Environmental and Energy Study Institute has released its [2013 Annual Report](#). The report describes some of the institute's successes and highlights the donors, partners, and friends who made them possible. *Source: EESI, 9/12/14*

Online art project shows wind patterns

The [wind map](#) shows the delicate tracery of wind flowing over the US. It is a personal art project, not associated with any company. The designers take surface wind data from the National Digital Forecast Database to create a living portrait of wind power. The map is not intended for use in resource development, navigation or weather forecasting. *Source: Hint.FM, 9/5/14*

Find more [publications and webinars](#).

Funding

Applications for DOE's Tribal Funding Opportunity Are Due Oct. 2

View Recent Modifications to the FOA, Video of Informational Webinar Online

The DOE Tribal Energy Program, in conjunction with the DOE Office of Indian Energy, is accepting applications for up to \$7 million in funding to accelerate clean energy development on tribal lands. Native American tribes, tribal energy resource development organizations, and tribal consortia are eligible to apply. Applications must be submitted by Oct. 2, 2014

Through this funding opportunity announcement (FOA), DOE is soliciting applications under two topic areas:

- Install clean energy and energy efficiency retrofit projects for tribal buildings

- Deploy clean energy systems on a community scale

Since the initial FOA on July 17, 2014, DOE has issued three modifications to its solicitation. Visit the EERE Exchange website to view the [complete FOA with modifications](#).

An informational webinar on the FOA was held Thursday, Aug. 14, 2014. The webinar highlighted essential details about the FOA application process, including types of applications sought, who is eligible to apply, cost share, and other requirements.

For those who were not able to attend the live webinar, the [presentation slides and a video of the webinar](#) are available on the Tribal Energy Program website. *Source: DOE EERE Tribal Energy Program, 9/12/14*

Upcoming Webinar to Offer Tips for Successful Tribal Energy Project Financing

Successful Project Financing Mechanisms: ESPCs and UESCs

Wednesday, Sept. 24, 2014 11:00 a.m. – 12:30 p.m. Mountain Daylight Time (MDT)

Attend this webinar and learn about two popular mechanisms developed for federal agencies to finance renewable energy and energy efficiency projects. Presenters will explain how energy savings performance contracts (ESPCs) and utility energy service contracts (UESCs) can allow tribes to develop energy projects with limited or no up-front capital costs, thus minimizing the need to include project costs in budgets or request congressional appropriations. In addition, they will share best practices for implementing these mechanisms based on experience developing hundreds of energy projects over a period of nearly 15 years.

There is no cost to attend the webinar, but advance registration is required. [Register now](#). *Source: DOE EERE Tribal Energy Program, 9/12/14*

Current Federal Funding Opportunities

[Van Ness Feldman](#), a law and policy firm specializing in energy and natural resources, public policy and land use, has identified [funding opportunities](#) in the following areas:

- Academic Programs
- Agriculture
- Air
- Biofuels
- Coal
- Cybersecurity
- Department of Defense Energy
- Endangered Species
- Energy Efficiency
- Environment
- Indian Affairs
- Multi-disciplinary Research
- Natural Gas & Oil
- Nuclear Energy

- Pipeline and Hazardous Materials Transportation
- Public Lands, Oceans, & Parks
- Transportation & Infrastructure
- Water
- Wildlife, Conservation, & Fisheries

Source: Van Ness Feldman, 9/16/14

Find more [funding sources](#).

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